

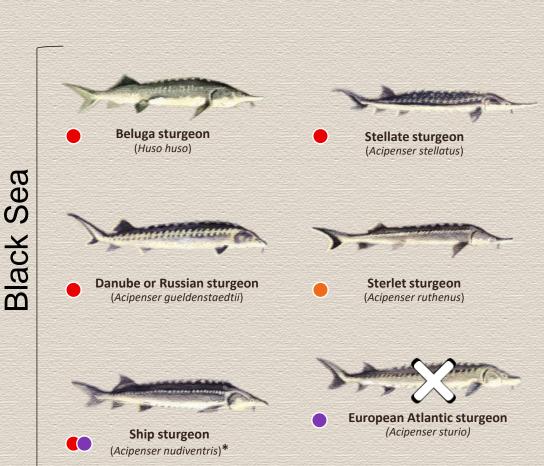


Sturgeons in Europe

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Europe's endangered sturgeons



Least Concern

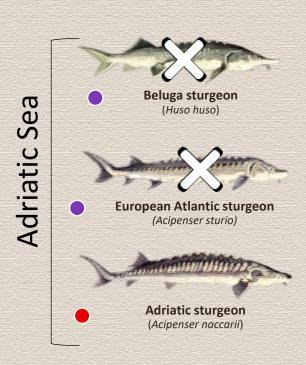
Extinct in the wild

Endangered

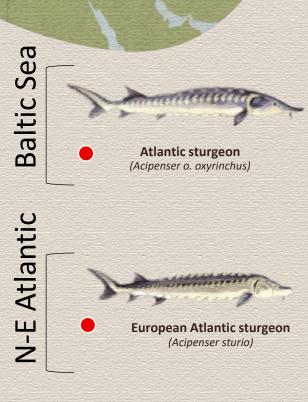
Near Threatened

Extinct

Critically Endengered



Vulnerable



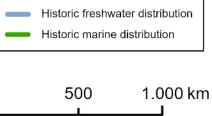
^{*} Ship sturgeon (Acipenser nudiventris) is extinct in the Danube.



Sturgeon Rivers

Once upon a time in Europe

historic presence documented in 78 rivers

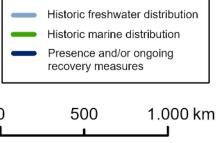




Today:

Sturgeons survived at low population levels only in very few rivers (Gironde, Po, Danube, Dniester, Dnieper, Rioni)

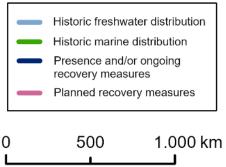
.... and are slowly coming back in other rivers due to active recovery measures (exp: Elbe, Oder, Vistula, Narva,..)





And tomorrow?

Even more recovery programs are in the planning (Rhine, Ebro, and several Baltic rivers.....)



Many countries involved – requiring international cooperation

STURGEON RECOVERY MEASURES IN EUROPE



GERMANY

European sturgeon

National Action Plan in place; Ex situ brood stock established; Release progamme ongoing in Elbe.

NETHERLANDS

European sturgeon

National Action Plan in place; Reintroduction feasibility and habitat restoration in the Rhine delta ongoing.

UNITED KINGDOM

European sturgeon, Baltic sturgeon

Species asignement to river systems underway;

Recovery measures and habitat restoration in Severn or Humber planned.

FRANCE

European sturgeon

National Action Plan in place; Ex situ stock established; Release programme ongoing in Gironde and tributaries; Bycatch assessment ongoing.



European sturgeon

Recovery planned; Experimental release in Ebro; Migration facilitation at Xerta dam planned.



Adriatic sturgeon

2 National Action Plans existing - none officially adopted; Release activities in Po basin uncoordinated:

Beluga - reintroduction is planned.

UPPER/MIDDLE DANUBE

Sterlet • Danube Action Plan outdated; National Action Plans missing (except HU); Fishing of sterlet not prohibited in AT, SK, HR; Ex situ stocks and release programme under development;

Fish passage at Gabcikovo dam planned.

Conservation measures are ongoing in many countries but coordination in joint river or sea basins is largely lacking.

BALTIC SEA

Baltic Sturgeon

HELCOM Regional Action Plan in place; Ex situ stock established (PL, DE);

Release programmes ongoing in Oder, Vistula, Nemunas, Venta, Gauja, Narva and planned in Newa, Volchov, Pärnu and Göta Älv.

LOWER DANUBE



Russian sturgeon, stellate, beluga, sterlet

Danube Action Plan outdated; National Action Plans missing (except UA);

Release activities uncoordinated; Feasibility of fish passage at Iron Gate dams ongoing;

Improved enforcement against IUU necessary;

Fishing bans in place (BG in need of prolongation).

RUSSIA



Russian sturgeon, stellate, beluga, sterlet

Action Plan missing;

Release programmes ongoing in tributaries to Sea of Azov;

Improvement of existing fish passage and habitat restoration in Don ongoing;

Dam removal and migration facilitation on Kuban.

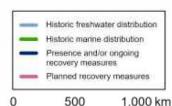
GEORGIA

Russian sturgeon, stellate, beluga, ship sturgeon

Action plan missing;

Monitoring of populations under development;

Habitat protection and restoration in Rioni in planning.



Pan-European Action Plan for Sturgeons



Strasbourg, 30 November 2018 [Inf06e_2018.docx] T-PVS/Inf(2018)6

CONVENTION ON THE CONSERVATION OF EUROPEAN WILDLIFE AND NATURAL HABITATS

Standing Committee

38th meeting Strasbourg, 27-30 November 2018

PAN-EUROPEAN ACTION PLAN FOR STURGEONS





Document prepared by
the World Sturgeon Conservation Society and WWF

This document will not be distributed at the meeting. Please bring this copy.

Ce document ne sera plus distribué en réunion. Prière de vous munir de cet exemplairs

- A guiding <u>framework</u> for conservation measures
- For 44 Bern Convention signatory states, unanimously adopted 2018
- For the period 2019 -2029
- Endorsed for implementation under the EU Habitats Directive
- Commitment included in the ministerial declaration of ICPDR
- encourages national implementation strategies and cooperation with basin countries
- Baltic Sea Sturgeon Action Plan under Helcom (2019)
- Ukraine National Action Plan

Coordination of the implementation

- Secreteriat of the Bern Convention has a mandate to coordinate the implementation
- all range Contracting Parties to appoint a National Focal Point with a relevant mandate to
 - ensure the interface with the Secretariat and the network of the Bern Convention,
 - coordinate and involve national sectors and stakeholders
 - Coordinate with neighbouring countries in a joint basin.



ACTION 1

STOP POACHING & MINIMISE BYCATCH ACTION 2

CAPTIVE BREEDING & RELEASE ACTION 3

IDENTIFY
PROTECT &
RESTORE
HABITATS

ACTION 4

RE-ESTABLISH MIGRATION ROUTES ACTION 5

MONITOR WILD STOCKS

PANEUAP ACTION 6

STOP ILLEGAL TRADE

ACTION 7

SECURE REGULATIONS & FUNDING ACTION 8

MONITOR & EVALUATE IMPLEMENTATION

ACTION 9

BUILD STAKEHOLDER SUPPORT

Link to video



Technical Guidance for implmentation



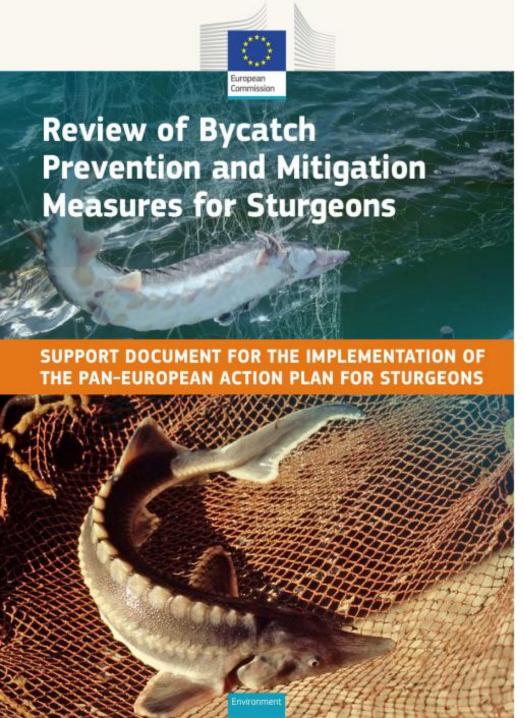
Final Results

- Technical Guidance published by EC
 - <u>Habitat Monitoring</u>
 - Population Monitoring
 - EX-Situ Conservation Measures

Adoption through the Standing Committee of the Bern Convention with

Recommendation No. 222 (2024) on habitat monitoring Recommendation No. 223 (2024) on population monitoring Recommendation No. 224 (2024) on *ex situ* conservation

To use guidance in conservation measures to raise awareness among stakeholders to put into practice To use as criteria to develop and <u>fund future projects</u>



Bycatch Review - Content

- First review on sturgeon bycatch ever
- European and N-American literature analysed
- Includes
 - simple examples of communication tools
 - for exchange with fishers
 - from different European regions.

Summary of the mid –term review of PANEUAP across 18 range countries

- 50% of countries have a national strategy
- Legal protection in place but for 8 countries poaching remains an issue
- Bycatch is a problem for all countries but is not tackled jointly
- All 18 countries state that **release programs are necessary!** Yet in 10 countries an *ex situ* program is lacking
- Habitat identification is in progress but protection of habitats is largely lacking and restoration basically not happening
- Obstacles to migration are identified but passage is not facilitated
- Monitoring programs in place in only 4 countries (in progress for five)
- Coordination of monitoring between countries is lacking





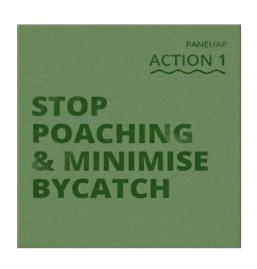
State of implementation of the Pan-Euroepan Action Plan for Sturgeons in

- <u>Lower Danube & Black</u> <u>Sea</u>
- <u>Upper/Middle Danube</u>

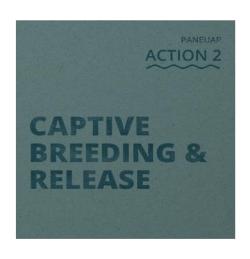
<u>Factsheet with messages to</u> <u>stakeholder ins 18 languages</u>

<u>Video on the Pan-European Action</u> <u>Plan</u> – featuring the Danube

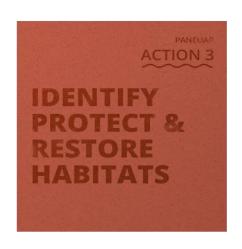




- Sturgeon <u>fishing bans</u> in place in all Danube and Black Sea countries except for Austria, Slovakia and Croatia
- <u>Poaching</u> remains a documented issue in the Lower Danube enforcement is improving and data collection ongoing
- <u>Bycatch</u> is an issue in the Lower Danube and Black Sea recording of bycatch reports mandatory but not much official data. Info stems from voluntary reports of fishers.
- General Fisheries Commission for the Mediterranean (Rec GFCM/47/2024/11) binding decision to ban sturgeon fishing in the Black Sea, eliminate sturgeon bycatch, enforce regulations, data collection and awareness measures

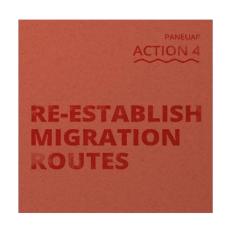


- Moving from single uncoordinated releases to a basin wide programme under LIFE Boat Project (until2030)
- Broodstock for 4 species establised in AT and HU joint management in place
- Releases ongoing (1.6 Mio until 2030)
- Monitoring of impact of released fish still only on very low scale and needs continuation after LIFE Boat.

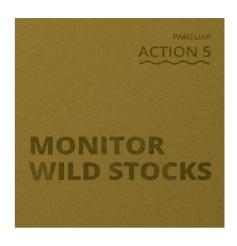


- First <u>static basin wide maps</u> of potential/confirmed habitats available (MEASURES (DRP) + EC contract)
- First cooperation with Joint Danube Survey
- Moving towards a basin wide habitat inventory in frame of ICPDR

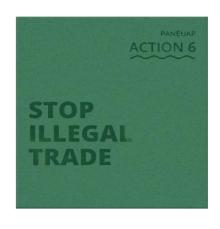
 updatable and sustainable after project terminated (MonStur)
- Still substantial knowledge gaps on habitats (locations and conditions) research efforts are ongoing (MonStur)
- Identified habitats lack explicit protection



- Priority barriers in the basin identified (Iron Gates + Gabcikovo)
- Feasibility studies completed or ongoing (WePass + LIFE Living Rivers)
- No barrier in the basin has an effective passage designed for sturgeons so far (upstream and downstream)
- Threat of new migration obstacle (Turnu-Magurele)



- So far <u>single projects</u> have provided information, data not comparable, <u>scattered</u> among institutions and countries, hardly accessible after project funding ended
- LIFE Boat partners have started to work on a joint field protocol
- First inclusion with Joint Danube Survey limited to eDNA analysis
- Moving towards a joint population databse in the frame of ICPDR's Trans National Monitoring Network – updatable and sustainable after project terminated (MonStur)
- Regular long-term monitoring of population parameters only in few countries (i.e. AT, RO) – room for improvement



- Existance of illegal trade documented for Lower Danube countries (WWF market research)
- Capacity building for enforcement agencies took place
- Controls are rare and limited on CITES label existance
- No controls include a verification of caviar label with actual content of caviar container
- No controls regarding wild source of meat



- National Action Plans lacking, with exception of UA and HU
- UA is the only country with regular stakeholder meetings to implement the AP
- Process to establish national/transboundary Action Plans for DE, AT, SK and HU ongoing (MonStur)
- Important to include sturgeon relevant measures in National Biodiversity
 Strategies and National Nature Restoration Plans → National programming of EU funds



- DSTF as EUSDR PA6 Task Group
- EUSDR (PA6, PA4, PA5, PA1a,...)
- ICPDR
- National sturgeon focal points to engage national level stakeholders